## Datasheet: MCA2282A647 BATCH NUMBER 0515

Description:MOUSE ANTI HUMAN CD200R:Alexa Fluor® 647Specificity:CD200ROther names:OX2RFormat:ALEXA FLUOR® 647Product Type:Monoclonal AntibodyClone:OX108Isotype:IgG1Quantity:100 TESTS/1ml		
Other names:OX2RFormat:ALEXA FLUOR® 647Product Type:Monoclonal AntibodyClone:OX108Isotype:IgG1	Description:	MOUSE ANTI HUMAN CD200R:Alexa Fluor® 647
Format:ALEXA FLUOR® 647Product Type:Monoclonal AntibodyClone:OX108Isotype:IgG1	Specificity:	CD200R
Product Type:Monoclonal AntibodyClone:OX108Isotype:IgG1	Other names:	OX2R
Clone: OX108 Isotype: IgG1	Format:	ALEXA FLUOR® 647
Isotype: IgG1	Product Type:	Monoclonal Antibody
	Clone:	OX108
Quantity: 100 TESTS/1ml	Isotype:	lgG1
	Quantity:	100 TESTS/1ml

# **Product Details**

Applications	This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit <u>www.bio-rad-antibodies.com/protocols</u> .				
		Yes	No	Not Determined	Suggested Dilution
	Flow Cytometry	•			Neat - 1/10
	Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.				
Target Species	Human				
Product Form	Purified IgG conjugated	to Alexa Flu	or® 647 -	liquid	
Max Ex/Em	Fluorophore	Excitation Ma	x (nm) E	mission Max (nm)	
	Alexa Fluor®647	650		665	-
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant				
Buffer Solution	Phosphate buffered saline				
Preservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin				
Approx. Protein	IgG concentration 0.05 mg/ml				

## Concentrations

Immunogen	Fusion protein hCD200RCD4d3+4.		
External Database Links	UniProt:         Q8TD46       Related reagents         Entrez Gene:         131450       CD200R1         Related reagents		
Synonyms	CD200R, CRTR2, MOX2R, OX2R		
RRID	AB_566616		
Specificity	Mouse anti Human CD200R antibody, clone OX108 recognizes human CD200R, a cell surface glycoprotein (also known as OX2R). In humans CD200R is expressed primarily by peripheral blood monocytes and neutrophils but also by other leucocytes including T-lymphocytes and mast cells, CD200-CD200R interaction may be involved in the control of myeloid cellular function (Wright <i>et al.</i> 2003). Levels of expression on resting peripheral blood cells are relatively low.		
Flow Cytometry	Use 10ul of the suggested working dilution to label 10 <sup>6</sup> cells in 100ul		
References	<ul> <li>Use 10ul of the suggested working dilution to label 10<sup>6</sup> cells in 100ul</li> <li>1. Wright, G.J. <i>et al.</i> (2003) Characterization of the CD200 receptor family in mice and humans and their interactions with CD200. J Immunol. 171 (6): 3034-46.</li> <li>2. Koning, N. <i>et al.</i> (2009) Distribution of the immune inhibitory molecules CD200 and CD200R in the normal central nervous system and multiple sclerosis lesions suggests neuron-glia and glia-glia interactions. J Neuropathol Exp Neurol. 68: 159-67.</li> <li>3. Melief, J. <i>et al.</i> (2013) Microglia in normal appearing white matter of multiple sclerosis are alerted but immunosuppressed. Glia. 61 (11): 1848-61.</li> <li>4. Ambarus, C.A. <i>et al.</i> (2012) Intimal lining layer macrophages but not synovial sublining macrophages display an IL-10 polarized-like phenotype in chronic synovitis. Arthritis Res Ther. 14 (2): R74.</li> <li>5. Holmannova, D. <i>et al.</i> (2015) Inhibitory CD200R and proapoptotic CD95/CD95L molecules on innate immunity cells are modulated by cardiac surgery. Perfusion. 30 (7): 543-55.</li> <li>6. Ambarus CA <i>et al.</i> (2012) Soluble immune complexes shift the TLR-induced cytokine production of distinct polarized human macrophage subsets towards IL-10. PLoS One. 7 (4): e35994.</li> <li>7. Memarian, A. <i>et al.</i> (2013) Upregulation of CD200 is associated with Foxp3+ regulatory T cell expansion and disease progression in acute myeloid leukemia. Tumour Biol. 34 (1): 531-42.</li> <li>8. Sousa, S. <i>et al.</i> (2015) Human breast cancer cells educate macrophages toward the M2 activation status. Breast Cancer Res. 17 (1): 101.</li> <li>9. Vicetti Miguel, R.D. <i>et al.</i> (2013) Human female genital tract infection by the obligate intracellular bacterium <i>Chlamydia trachomatis</i> elicits robust Type 2 immunity. PLoS One. 8</li> </ul>		

Storage       Storage in fost-free freezers in not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thewing as this may denature the antibody. Should this product on than specific at the recommended in the purchase product on the specific purces.         Storage       12 months from date of despatch         Acknowledgements       12 months from date of despatch         Avoid repeated freezing and the under on purces only compared to the purchase product on the specific purces on a set of the purchase product on the purchase for the purchase of the purchase on the product of the specific purces on the purchase of the purchase product on the purchase product on the purchase of the purchase		(3): e58565.
distinct changes in leukocyte attraction. J Immunol. 192 (3): 1196-208.         11. Melief, J. <i>et al.</i> (2012) Phenotyping primary human microglia: tight regulation of LPS responsiveness. Glia. 60 (10): 1506-17.         12. Georgoudaki, A.M. <i>et al.</i> (2016) Reprogramming Tumor-Associated Macrophages by Antibody Targeting Inhibits Cancer Progression and Metastasis. Cell Rep. 15 (9): 2000-11.         13. Björnfot Holmström, S. <i>et al.</i> (2017) Gingival Tissue Inflammation Promotes Increased Matrix Metalloproteinase-12 Production by CD200R <sup>low</sup> Monocyte-Derived Cells in Periodontits. J Immunol. 199 (12): 4023-35.         14. Wiedemann, G.M. <i>et al.</i> (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Acknowledgements       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product for purposes other than as described above, contact Life Technologies Corporation. For Hansfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer th		10. van de Garde, M.D. <i>et al.</i> (2014) Chronic exposure to glucocorticoids shapes gene
11. Melief, J. et al. (2012) Phenotyping primary human microglia: tight regulation of LPS responsiveness. Glia. 60 (10): 1506-17.         12. Georgoudaki, A.M. et al. (2016) Reprogramming Tumor-Associated Macrophages by Antibody Targeting Inhibits Cancer Progression and Metastasis. Cell Rep. 15 (9): 2000-11.         13. Björnföt Holmström, S. et al. (2017) Gingival Tissue Inflammation Promotes Increased Matrix Metalloproteinase-12 Production by CD200R <sup>low</sup> Monocyte-Derived Cells in Periodontitis. Jimmunol. 199 (12): 4023-35.         14. Wiedemann, G.M. et al. (2016) A novel TLR7 agonist reverses NK cell anergy and cures RMA-S lymphoma-bearing mice. Oncoimmunology, 5 (7): e1189051.         15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.         Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product for purposes (b) testing,		
responsiveness. Glia. 60 (10): 1506-17.         12. Georgoudaki, AM. et al. (2016) Reprogramming Turnor-Associated Macrophages by Antibody Targeting Inhibits Cancer Progression and Metastasis. Cell Rep. 15 (9): 2000-11.         13. Björnfot Holmström, S. et al. (2017) Gingival Tissue Inflammation Promotes Increased Matrix Metalloproteinase-12 Production by CD200R <sup>low</sup> Monocyte-Derived Cells in Periodontilis. J Immunol. 199 (12): 4023-35.         14. Wiedemann, G.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.         Storage in fost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Acknowledgements       This product should be stored undiluted.         Storage in fost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Acknowledgements       This product sprovided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product for upposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety Information       Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodi		
12. Georgoudaki, A.M. et al. (2016) Reprogramming Tumor-Associated Macrophages by         Antibody Targeting Inhibits Cancer Progression and Metastasis. Cell Rep. 15 (9): 2000-11.         13. Björnfot Holmström, S. et al. (2017) Gingival Tissue Inflammation Promotes Increased         Matrix Metalloproteinase-12 Production by CD200R <sup>low</sup> Monccyte-Derived Cells in         Periodontitis. JImmunol. 199 (12): 4023-35.         14. Wiedemann, G.M. et al. (2016) A novel TLR7 agonist reverses NK cell anergy and         curses RMA-S lymphoma-bearing mice. Oncoimmunology. 5(7): e1189051.         15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate         intracellular bacterium         Chlamydia trachomatis         elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Storage in frost-free freezers is not recommended. This product is photosensitive and         should be protected from light.       Avoid repeated freezing and thawing as this may denature the antibody. Should this         product contain a precipitate we recommend microcentrifugation before use.       Guarantee         12 months from date of despatch       Acknowledgements         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies         Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfe		
Antibody Targeting Inhibits Cancer Progression and Metastasis. Cell Rep. 15 (9): 2000-11.         13. Björnför Holmström, S. <i>et al.</i> (2017) Gingival Tissue Inflammation Promotes Increased Matrix Metalloproteinase-12 Production by CD200Plew Monocyte-Derived Cells in Periodontitis. J Immunol. 199 (12): 4023-35.         14. Wiedemann, G.M. <i>et al.</i> (2016) A novel TLR7 agonist reverses NK cell anergy and cures RMA-S lymphoma-bearing mice. Oncoimmunology. 5 (7): e1189051.         15. Vicetti, R.M. <i>et al.</i> (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product of its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality controi, or (d) resale, whether or not resold for u		
13. Björnfot Holmström, S. et al. (2017) Gingival Tissue Inflammation Promotes Increased         Matrix Metalloproteinase-12 Production by CD200R <sup>low</sup> Monocyte-Derived Cells in         Periodontitis. JImmunol. 199 (12): 4023-35.         14. Wiedemann, G.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium         Chlamydia trachomatis         elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage         Storage In frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in pretoriol, or (d) resale, whether or not resold for use in research. For information on purchasing al license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: <a href="https://www.&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Matrix Metalloproteinase-12 Production by CD200R&lt;sup&gt;low&lt;/sup&gt; Monocyte-Derived Cells in Periodontitis. JImmunol. 199 (12): 4023-35.         14. Wiedemann, G.M. et al. (2016) A novel TLR7 agonist reverses NK cell anergy and cures RMA-S lymphoma-bearing mice. Oncoimmunology. 5 (7): e1189051.         15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4ºC or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; cor manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Periodontitis. J Immunol. 199 (12): 4023-35.         14. Wiedemann, G.M. &lt;i&gt;et al.&lt;/i&gt; (2016) A novel TLR7 agonist reverses NK cell anergy and cures RMA-S lymphoma-bearing mice. Oncoimmunology. 5 (7): e1189051.         15. Vicetti, R.M. &lt;i&gt;et al.&lt;/i&gt; (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 Immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product or any fee for service research, and the buyer must not sell or otherwise transfer this product for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information on purchasing a license to this product for use in research. For information on purchasing a license to this product for use in research. For information on purchasing a license to this product of purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;14. Wiedemann, G.M. et al. (2016) A novel TLR7 agonist reverses NK cell anergy and cures RMA-S lymphoma-bearing mice. &lt;u&gt;Oncoimmunology, 5 (7), e1189051&lt;/u&gt;, 15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium         Chlamydia trachomatis elicits robust Type 2 immunity. &lt;u&gt;PLoS One, 8 (3), e58565&lt;/u&gt;.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.         Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;cures RMA-S lymphoma-bearing mice. Oncoimmunology. 5 (7): e1189051.         15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium&lt;br&gt;Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, eaxluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation. 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647_10041&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;15. Vicetti, R.M. et al. (2013) Human female genital tract infection by the obligate intracellular bacterium Chlamydia trachomatis elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product for purposes (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation. 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647_10041&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;intracellular bacterium&lt;br&gt;Chlamydia trachomatis&lt;br&gt;elicits robust Type 2 immunity. PLoS One, 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.&lt;br&gt;This product should be stored undiluted.&lt;br&gt;Storage in frost-free freezers is not recommended. This product is photosensitive and&lt;br&gt;should be protected from light.&lt;br&gt;Avoid repeated freezing and thawing as this may denature the antibody. Should this&lt;br&gt;product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies&lt;br&gt;Corporation. The transfer of this product is contingent on the buyer using the purchase&lt;br&gt;product solely in research, excluding contract research or any fee for service research,&lt;br&gt;and the buyer must not sell or otherwise transfer this product or its components for (a)&lt;br&gt;diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening&lt;br&gt;services, or information in return for compensation on a per-test basis; (c) manufacturing&lt;br&gt;or quality assurance or quality control, or (d) resale, whether or not resold for use in&lt;br&gt;research. For information on purchasing a license to this product for purposes other than&lt;br&gt;as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad&lt;br&gt;CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at:&lt;br&gt;https://www.bio-rad-antibodies.com/SDS/MCA2282A647&lt;br&gt;10041&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;Chlamydia trachomatis&lt;br/&gt;elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in purchasing a license to this product for use in research. For information on purchasing a license to this product of purposes other than as described above, contact Life Technologies Corporation. S791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: &lt;a href=" https:="" mca2282a647"="" sds="" www.bio-rad-antibodies.com="">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		
elicits robust Type 2 immunity. PLoS One. 8 (3): e58565.         Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		
Storage       Store at +4°C or at -20°C if preferred.         This product should be stored undiluted.       Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		-
This product should be stored undiluted.         Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a> 10041		elicits robust Type 2 immunity. <u>PLoS One. 8 (3): e58565.</u>
Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.Guarantee12 months from date of despatchAcknowledgementsThis product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041	Storage	Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.Guarantee12 months from date of despatchAcknowledgementsThis product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase 		
should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety Information       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		This product should be stored undiluted.
should be protected from light.         Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.         Guarantee       12 months from date of despatch         Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		Storage in frost-free freezers is not recommended. This product is photosensitive and
Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.Guarantee12 months from date of despatchAcknowledgementsThis product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		
guarantee12 months from date of despatchAcknowledgementsThis product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		
Guarantee12 months from date of despatchAcknowledgementsThis product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		Avoid repeated freezing and thawing as this may denature the antibody. Should this
Acknowledgements       This product is provided under an intellectual property licence from Life Technologies Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety Information       Material Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		product contain a precipitate we recommend microcentrifugation before use.
Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041	Guarantee	12 months from date of despatch
Corporation. The transfer of this product is contingent on the buyer using the purchase product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening 		
product solely in research, excluding contract research or any fee for service research, and the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041	Acknowledgements	
And the buyer must not sell or otherwise transfer this product or its components for (a) diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		
diagnostic, therapeutic or prophylactic purposes; (b) testing, analysis or screening services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		
services, or information in return for compensation on a per-test basis; (c) manufacturing or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety Information       Material Safety Datasheet documentation #10041 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2282A647">https://www.bio-rad-antibodies.com/SDS/MCA2282A647</a>		
or quality assurance or quality control, or (d) resale, whether or not resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.comHealth And Safety InformationMaterial Safety Datasheet documentation #10041 available at: https://www.bio-rad-antibodies.com/SDS/MCA2282A647 10041		
research. For information on purchasing a license to this product for purposes other than         as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad         CA 92008 USA or outlicensing@thermofisher.com         Health And Safety         Information         Material Safety Datasheet documentation #10041 available at:         https://www.bio-rad-antibodies.com/SDS/MCA2282A647         10041		
as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad CA 92008 USA or outlicensing@thermofisher.com         Health And Safety       Material Safety Datasheet documentation #10041 available at:         Information       https://www.bio-rad-antibodies.com/SDS/MCA2282A647         10041		
CA 92008 USA or outlicensing@thermofisher.com         Health And Safety         Information         https://www.bio-rad-antibodies.com/SDS/MCA2282A647         10041		
Health And Safety       Material Safety Datasheet documentation #10041 available at:         Information       https://www.bio-rad-antibodies.com/SDS/MCA2282A647         10041		
Information <u>https://www.bio-rad-antibodies.com/SDS/MCA2282A647</u> 10041		CA 92008 USA or outlicensing@thermofisher.com
10041	Health And Safety	Material Safety Datasheet documentation #10041 available at:
10041	Information	-
Regulatory For research purposes only		
	Regulatory	For research purposes only
	J J	

# **Related Products**

## **Recommended Negative Controls**

### MOUSE IgG1 NEGATIVE CONTROL: Alexa Fluor® 647 (MCA928A647)

## **Recommended Useful Reagents**

HUMAN SEROBLOCK (BUF070A) HUMAN SEROBLOCK (BUF070B)

North & South	Tel: +1 800 265 7376	Worldwide	Tel: +44 (0)1865 852 700	Europe	Tel: +49 (0) 89 8090 95 21
America	Fax: +1 919 878 3751		Fax: +44 (0)1865 852 739		Fax: +49 (0) 89 8090 95 50
	Email: antibody_sales_us@bio-rad.com		Email: antibody_sales_uk@bio-rad.com		Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M366533:200529'

#### Printed on 16 Apr 2024

© 2024 Bio-Rad Laboratories Inc | Legal | Imprint